

Patent Abstracts of Japan

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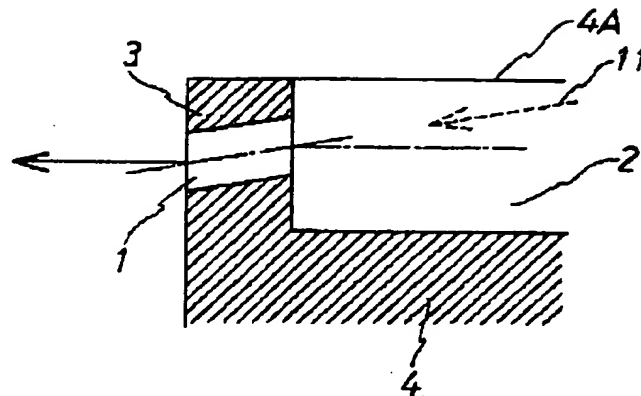
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TITLE : INK JET HEAD AND ITS
MANUFACTURE



ABSTRACT : PURPOSE: To reconcile a highly precise nozzle formation of a high yield having ensured stability for discharge of ink which is worked with ultraviolet light from a pressure chamber side and ink flying normal to a medium to be printed in parallel with a reference face of a passage substrate.

CONSTITUTION: 1 is a nozzle, 2 is a pressure chamber, 3 is a nozzle forming part, and 4 is a passage substrate which forms the pressure chamber. 4A is a reference face of the passage substrate 4, which is a reference for assembling other parts and an upper face of the pressure chamber 2 also. The nozzle 1 is formed aslant the reference face 4A side by irradiating the nozzle forming member 3 with ultraviolet light from the pressure chamber 2 side. Then, a shape of the spearhead of the nozzle 1 is formed so that a peripheral length on the reference face 4A side becomes larger than that for an anti-reference face.

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